



Solar Photovoltaic Case Study

Parks Purchasing Warehouse 850 South Randolph Way

TECHNICAL SPECIFICATIONS:

- Installed June 2009.
- 47.25 kW DC; 37.8 kW AC.
- 260 182W Solyndra “panels” with cylindrical glass tubes containing thin film CIGS solar material.
- 1 Satcon 50 kW (PVS-50) inverter.
- Greenhouse gas reductions-approximately 61.5 metric tons CO₂/year.



PROJECT DESCRIPTION:

- First project to use Solyndra solar panels in Arizona.
- No ballast or roof penetrations.
- Light weight panels made project possible with limited available roof load.
- Output of 72,361 kWh/year is roughly 92% of building load.
- SPG Solar, Inc. guarantees electrical output for 5 years and provides maintenance services for 10 years.
- Solar output viewable on Fat Spaniel’s website at <http://tiny.cc/FNRMP>.

FINANCIAL DETAILS:

- Project paid for through Clean Renewable Energy Bonds (CREBs).
- 13 year bond repayment period at 0% interest.
- Bonds repaid through TEP rebates and electricity charges to building owner.
- Total cost including design and installation - \$400,349.



- For additional information go to: <http://www.tucsonaz.gov/energy/>